

Methodology of Meteorological Observations	SOV/1732	
Kopanev, I.D. Computation Tests for Turbulent Friction		103
D'yachenko, P.V. A Measuring Device for Testing Hand Anemometers		105
Pokrovskaya, I.A. Overheating the Actinometric Instruments in Relation to Air Temperature		115
Lugovskaya, M.A., and I.A. Pokrovskaya. Errors in Checking the Thermoelectric Actinometers and Pyranometers		120
Vorob'ev, I.Ye. Errors in Surface Mercury Thermometers		135
Fateyev, N.P. Methodology for Determining the Altitude of the Lower Surface of Clouds		137
Vorob'ev, I.Ye. Cloud Height		143
Card 3/4		

ROSS, Yu. K. Cand Phys-Math Sci -- (diss) "Certain problems of measuring of
the
short-wave radiation on the earth's surface." Len, 1957. 12 pp (Main Geophysical
Observatory im A. I. Voyeykov), 200 copies (KL, 43-57, 86)

ROSS, Yu. K.

36-68-18/18

AUTHOR: Ross, Yu. K.

TITLE: Conversion Factor of the Relative Actinometer and Its
Dependence on Temperature (O zavisimosti perevodnogo
mnozhitelya otnositel'nykh aktinometrov ot temperatury)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii
1957, Nr 68, pp. 204-208 (USSR)

ABSTRACT: The article discusses the affect of temperature upon the
conversion factor of the Savinov-Yanishevskiy thermo-
electric actinometer. This radiation recorder is used
together with a galvanometer. The errors caused by the
influence of temperature are arrived at mathematically.
The tests were conducted at the Tartu Actinometric
Observatory. There are 2 tables, 3 figures and 3
USSR references.

AVAILABLE: Library of Congress

Card 1/1

Ross, # Yu

PHASE I BOOK EXPLOITATION

SOV/4466

Akademiya nauk Estonskoy SSR. Institut fiziki i astronomii
Issledovaniya po fizike atmosfery, Vyp. 1 (Research on Atmospheric Physics,
No. 1) Tartu, 1959. 107 p. 800 copies printed. [In Russian and English.]

Editorial Board: J. Ross (Chairman), O. Avaste, Kh. Liydemaa, and H. Mürk;
Ed.: Kh. Niylik.

PURPOSE: This publication is intended for geophysicists, meteorologists, and
astronomers.

COVERAGE: This is the first issue of a new serial publication put out by the
Sektor fiziki atmosfery Instituta fiziki i astronomii AN Estonskoy SSR (Sector
of Atmospheric Physics of the Institute of Physics and Astronomy of the Academy
of Sciences Estonskaya SSR) on research in the physics of the atmosphere. The
publication is to appear at irregular intervals (1 - 2 issues per year) and will
for the most part, contain papers in actinometry. Issue 1 contains articles
dealing with radiation intensity and the characteristics of atmospheric trans-
parency, spectral reflectivity of vegetation covers, and a discussion of

Card 1/3

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corn leaves in the 400--750-m

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53

Research on Atmospheric Physics, No. 1

SOV/4466

Tooming, H. Some Problems Concerning the Distribution of the Total
Radiation in the Vegetation Cover

83

The author thanks Yu. Ross.

AVAILABLE: Library of Congress

Card 3/3

JA/dwm/gmp
11-9-60

3.5800

29872

S/189/61/000/009/021/056

D228/D304

AUTHOR: Ross, Yu.

TITLE: The influence of perisolar radiation on the results of
calibrating thermoelectric actinometers

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 9, 1961, 4,
abstract 9B53 (V sb. Issled. po fiz. atmosfery, I. Tartu,
1959, 43-52)

TEXT: During the calibration of thermoelectric actinometers by means
of their comparison with the Angström pyr heliometer, the reception plates
of both instruments receive different amounts of dispersed radiation ow-
ing to the different angles of vision of these devices. With the help of
theoretical calculations it is shown that the influence of the solar
corona on the conversion factor of the thermoelectric actinometer is situ-
ated at the precision limit of actinometric measurements both for isotro-
pic radiation and for scattered radiation which diminishes by the exponen-
tial law according to the measure of separation from the center of the

Card 1/2

The influence of...

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S/169/61/000/009/021/056
D228/D304

sun's disc. Experimental data confirm that the difference in the visual angles of the Angström pyrheliometer and thermoelectric actinometer scarcely influence the results of the comparison of these devices. Observations were carried out at Tartu with the short-tube Angström pyrheliometer and the thermoelectric Yanishevskiy actinometer. [Abstracter's note: Complete translation.] X

Card 2/2

VILLMANN, Ch.I., red.; GRISHIN, N.I., red.; DIRIKIS, M.A., red.; ROSS,
Yu.K., red.; KHVOSTIKOV, I.A., red.; SKVORTSOVA, A., red.;
TOOMSALU, E., tekhn. red.

[Transactions of the Conference on Noctilucent Clouds]Trudy
Soveshchaniia po serebristym oblakam. 3d, Tallinn, 1961. Tallinn,
Akad. nauk Estonskoi SSR, 1960. 139 p. (MIRA 15:12)

1. Soveshchaniye po serebristym oblakam. 3d, Tallinn, 1961.
(Clouds)

ROSS, Yu.; SULEV, M.

All-Union comparison testing of long-wave radiation receivers at
Tartu. Izv. AN SSSR. Ser. geofiz. no.11:1762-1763 N '63.

(MIRA 16:12)

"Comparison of net radiometers."

report presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.

L-52048-65 EWT(1)/EWT(m)/EWG(v)/EWP(j) Pc-4/Pe-5/Pae-2 RM/GW/GS
 ACCESSION NR: AT5011151 UR/0000/64/000/000/0010/0024

AUTHOR: Ross, Yu. K.; Sulev, M.A.; Yanishevskiy, Yu. D.

TITLE: Present status of the measurement of radiation balance and its long-wave components at the earth's surface

SOURCE: Mezhvedomstvennoye soveshchaniye po aktinometrii i optike atmosfery. 5 th, Moscow, 1963. Aktinometriya i optika atmosfery (Actinometry and atmospheric optics); trudy soveshchaniya. Moscow. Izd-vo Nauka, 1964, 10-24

TOPIC TAGS: meteorological instrument, radiation balance, long wave radiation, atmospheric physics, pyrgeometer, atmospheric surface layer, actinometry

ABSTRACT: This is a review of the current status of techniques for measuring the radiation balance and its long-wave components in the layers of the atmosphere near the earth's surface. The paper is organized as follows. 1. Introduction. 2. Principal types of instruments now used for the measurement of long-wave radiation: A) Instruments with open nonventilated surfaces without compensation; B) Instruments with forced ventilation; C) Instruments with wind-protection filters; D) Compensated instruments; E) Instruments with a restricted aperture; F) Pyrgeometers and balance meters (calorimetric type); G) Heliocompensation; H) Daytime pyrgeometers. 3. Some problems associated with instruments for the measurement of long-wave radiation and measurement methods:

Card 1/3

L 52048-65
ACCESSION NR: AT5011151

A) Theory of the instruments; B) Influence of precipitation and hydrometeors on readings; C) Pyrgeometric scale. 4. Conclusions and recommendations. It is concluded that the accuracy of measurement of the radiation balance and its long-wave components does not meet the requirements of modern science. There is not a single instrument which can be recommended as a standard. The most suitable of the existing instruments for continuous recording are those with polyethylene filters, such as the Funk and Schultz balance meters, and the Yanishevskiy thermoelectric balance meters with hemispherical polyethylene filters. Artificial ventilation is required in order to eliminate the influence of convection at low wind velocities. Two conversion factors (for short- and long-wave radiation) are necessary when using either polyethylene filters or open balance meters. The selectivity of pyranometers and the influence of the dependence of their sensitivity on angle of incidence leads to erroneous exclusion of short-wave radiation from the readings of long-wave instruments. The general requirements to which a modern instrument should conform are: measurement errors should not exceed 5%; the instrument or set of instruments should make it possible to measure either the total radiation balance and fluxes from above and below separately; the instrument should be weather-resistant and be able to make measurements despite dew or frost; there should be continuous recording of the radiation balance and its components; the instrument should be simple to use and manufacture. The leading problems in measurement of the radiation balance and its long-wave components are: development of a model of a true black body in the

Card 2/3

L 52048-65

ACCESSION NR: AT5011151

2

temperature range from -50 to +50C for the calibration of actinometric instruments; development of a single black covering for all sensors and careful study of its optical properties; comparisons of instruments of different design under different climatic and weather conditions; acquisition of all foreign types of instruments and comparison with Soviet models; national and world coordination of work in the field of measurement of long-wave radiation. Orig. art. has: 4 tables.

ASSOCIATION: [Ross, Sulev] Institut fiziki i astronomii AN Estonskoy SSR, Tartu (Institute of Physics and Astronomy, Academy of Sciences, Estonian SSR); [Yanishevsky] Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory)

SUBMITTED: 25Nov64

ENCL: 00

SUB CODE: ES

NO REF SOV: 013

OTHER: 023

Card 3/3

ROSS, Yu. K.

"The radiative transfer equation with consideration of the statistics of the medium."

paper presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.

ROSS, Yu.

Mathematical theory of the photosynthesis of vegetation.
Dokl. AN SSSR 157 no.5:1239-1242 Ag '64. (MIRA 17:9)

1. Institut fiziki i astronomii AN Estonskoy SSR. Predstavleno
akademikom A.L. Kursanovym.

BUDAGOVSKIY, A.I.; NICHIPOROVICH, A.A.; ROSS, Yu.K.

The quantitative theory of photosynthesis and its use for solving the scientific and practical problems of physical geography. Izv. AN SSSR Ser. geog. no.6:13-27 M-D :64 (MIRA 18:1)

1. Institut geografii AN SSSR, Institut rasteniy AN SSSR i Institut fiziki i astronomii AN Estonskoy SSR.

L 02324-67 EWT(1) SCTB DD

ACC NR: AR6022707

SOURCE CODE: UR/0299/66/000/002/G006/G006

AUTHOR: Ross, Yu. K.

TITLE: Basic principles of constructing a mathematical model of photosynthesis for agricultural crops

SOURCE: Ref. zh. Biologiya, Part I, 2G41

REF SOURCE: Sb. Fotosintez i produktivn. rost. Riga, Zinatne, 1965, 9-15

TOPIC TAGS: mathematical model, photosynthesis, agriculture crop

ABSTRACT: The article discusses the feasibility of constructing a mathematical model of photosynthesis based on the mathematical function differences of photosynthesis and leaf respiration expressing the dependence of these processes on active radiation used in photosynthesis, temperature, CO₂ level and leaf water conditions. A further mathematical description of hydrometeorological factors and geometric patterns of plantings will make it possible to use the equations describing CO₂ gas exchange of a sowing for the formulation of a crop yield theory. Institute of Physics and Astronomy of the AN Estonian SSR. A. Tabenskiy.

[Translation of abstract].

SUB CODE: 06, 02, 12
Card 1/1

UDC: 581.132

British Abst.

B II

Aug. 1953

Plastics; Resins; Paints;

Surface Coatings

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✓
Ketones as solvents for lacquers. B. B. Rossa (*Prakt. Chemie*, 1953, 4, 32-37). Various solvents for cellulose nitrate are mentioned. Their properties, such as their tolerance for dilution with cheaper solvents, their power to dissolve cellulose nitrate, and their influence on η are discussed. G. SAMUEL

11
7-14-54

BARTOSHEVICH, I.; ROSSA, R.

Radio amateur movement in Poland. Radio no.6:14 Je '54. (MIRA 7:7)
(Poland--Radio) (Radio--Poland)

ROSSA, R.

USSR/Miscellaneous - Radio amateurs

Card : 1/1 Pub. 89 - 8/24

Authors : Bartoshevich, I. and Rossa, R.

Title : In countries of the Peoples' Democracies

Periodical : Radio 6, 14 - 15, June 1954

Abstract : Under the above title are given three small articles referring to radio-amateur activities in Poland, Bulgaria, and Hungary. Illustrations.

Institution : ...

Submitted : ...

ROSSI, B.D., kand. tekhn. nauk

Formation of poisonous gases during blasting operations in underground
mine workings. Gor. zhur. no.6:65-68 Je '65. / (MIRA 18:7)

1. Institut gornogo dela im. A.A.Skochinskogo.

ALEKSANDROV, Valentin Filippovich; USATOV, Nikolay Vasil'eyvich; ROSSADKIN,
I.D., redaktor; VINOKEUROVA, Ye.B., redaktor izdatel'stva; KONYASHINA,
A.D., tekhnicheskii redaktor

[Fire prevention in planning and conducting construction operations
in rural localities] Protivopozharnye meropriyatiya pri proektirova-
nii i proizvodstve stroitel'nykh rabot v sel'skoi mestnosti. Moskva.
Izd-vo M-va kommun.khoz. RSFSR, 1957. 158 p. (MLRA 10:8)
(Fire prevention)

S/056/63/020/001/002/003

E073/E435

AUTHORS: Rossakiewicz, A., Wyżanowicz, H.

TITLE: "Machining" of metal profiles by chemical etching

PERIODICAL: Hutnictví a strojírenství. Přehled technické a
hospodářské literatury, v.20, no.1, 1963, 38,
abstract HS 63-446 (Mechanik, Warsaw, 35, no.7, 1962
389-392, Polish)

TEXT: Various methods of etching of profiles in metals and
alloys, particularly aluminium and steel, are reviewed and
compared with milling. An analysis is made of the economics.
16 figures, 1 table, 3 references.

[Abstracter's note: Complete translation.]

Card 1/1

ROSSAKIEWICZ, Anna, mgr inz.

Technology and use of form etching in aircraft construction.
Techn lotn 18 no.8:197-205 Ag '63.

ROSSAKIEWICZ, Anna, mgr. inz.; WYZANOWICZ, Halina, mgr. inz.

Chemical shaping of metals by etching. Mechanik 35 no.7:389-
392 J1 '62.

ROSSAKIEWICZ, Anna, mgr. inz.; WYZANOWICZ, Halina, mgr. inz.

Chemical shaping of metals by etching. (To be contd.). Mechanik
35 no.6:334-336 Je '62.

MYSHAK, F.I., podpolkovnik; ROSSAL, N.A., polkovnik, redaktor; SOKOLOVA,
G.F., tekhnicheskii redaktor.

[Camouflage of troops, weapons and military equipment]Maskirovka
soldata, oruzhiia i boevoi tekhniki. Moskva, Voen.izd-vo Minister-
stva obor.SSSR, 1954. 98 p. [Microfilm] (MIRA 9:4)
(Camouflage (Military science))

BALUYEV, V.K.; ROSSAL, N.A., polkovnik, red.; KAZAKOVA, V.Ye., tekhn.red.

[Electric tools] Elektrifitsirovannyi instrument. Moskva,
Voen.izd-vo M-va obor.SSSR, 1955. 77 p. (MIRA 12:8)
(Power tools)

ANDREYEV, V.P., polkovnik; BORISOV, D.S., polkovnik; ZHELEZNYKH, V.I., dotsent, kand.tekhn.nauk, general-leytenant inzhenernykh voysk v otstavke, otv.red.; NAZAROV, K.S., dotsent, general-polkovnik inzhenernykh voysk v otstavke, red.; KHRENOV, A.F., general-polkovnik inzhenernykh voysk, red.; SHOR, D.I., dotsent, kand.tekhn.nauk, inzhener-polkovnik zapasa, red.; ROSSAL, N.A., polkovnik, red.; KHYSTALOV, S.I., polkovnik, red.; SOLOMONIK, R.L., tekhn.red.

[The Soviet military engineers, 1918-1940; collection of articles]
Sovetskie inzhenernye voiska v 1918-1940 gg.; sbornik statei.
Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 141 p. (MIRA 13:4)
(Military engineering)

IVOLGIN, Aleksandr Ivanovich, polkovnik v otstavke; EPOV, Boris Aleksandro-
vich, inzh.-polkovnik zapasa, laureat Stalinskoy premii; ROSSAL,
N.A., polkovnik, red.; VOLKOVA, V.Ye., tekhn.red.

[Mine-laying and mine-field clearance] Minirovaniye i razmini-
vanie. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 93 p.
(MIRA 14:1)

(Mines, Military)

SOKOLOV, Aleksey Vasil'yevich, inzh.-polkovnik; ROSSAL, N.A., polkovnik,
red.; SOKOLOVA, G.F., tekhn.red.

[Motor graders] Avtogleidery. Moskva, Voen.izd-vo M-va obor.
SSSR, 1960. 104 p. (MIRA 14:2)
(Graders (Earthmoving machinery))

SHALAYEVSKIY, Mikhail Grigor'yevich, podpolkovnik; ROSSAL, N.A.,
polkovnik, red.; SOKOLOVA, G.F., tekhn.red.

[Gasoline-engine driven saws] Benzinomotornye pily. Moskva,
Voen.izd-vo M=va oborony SSSR, 1961. 85 p.

(Saws)

(MIRA 14:12)

PAVLOV, Sergey Pavlovich, podpolkovnik; ROSSAL, N.A., polkovnik, red.;
SCKOLOVA, G.F., tekhn. red.

[The BAV large amphibious vehicle] Bol'shoi plavaiushchii avtomobil' BAV. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 87 p.
(MIRA 14:7)

(Vehicles, Amphibious)

BALUYEV, Vladimir Konstantinovich; ROSSAL, N.A., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Electric power tools for lumbering] Elektrifitsirovannyi instrument po derevu. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 96 p. (MIRA 14:12)

(Power tools) (Lumbering—Electric equipment)

IVANOV, Petr Sergeevich, podpolkovnik; POVERIN, Ivan Dmitriyevich,
podpolkovnik; YESIN, Mikhail Ivanovich, podpolkovnik;
ROSSAL, N.A., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Fortification installations for firing positions] Fortifi-
katsionnoe oborudovanie ognevykh pozitsii. Moskva, Voen.
izd-vo M-va oborony SSSR, 1961. 118 p. (MIRA 15:2)
(Fortification)

MORIN, Aleksey Il'ich; ROSSAL, N.A., polkovnik, red.; EPOV, B.A.,
dots., kand. tekhn. nauk, red.; SOKOLOVA, G.F., tekhn. red.

[Aid for the demolition man]V pomoshch' podryvniku. Pod
red. B.A.Epova. Moskva, Voenizdat, 1962. 54 p.

(MIRA 15:10)

(Demolition, Military)

KARBYSHEV, D.M., Geroy Sovetskogo Soyuza, prof., doktor voennykh nauk, general-leytenant inzh. voysk[deceased]; GOLDOVICH, A.I., general-leytenant inzh., voysk v otstavke, red.; PLYASKIN, V.Ya., V.Ya., general-leytenant inzh. voysk, red.; LEOSHENYA, Ye.V., general-leytenant inzh. voysk v otstavke, red.; SOCHILOV, M.F., general-mayor inzh. voysk v otstavke, red.; AFANAS'YEV, D.M., polkovnik v otstavke, red.; BORISOV, D.S., polkovnik zapasa, red.; TDROPOV, K.V., inzh.-polkovnik v otstavke, red.; SHOR, D.I., inzh.-polkovnik v otstavke, red.; SHEVCHUK, M.K., podpolkovnik zapasa, red.; ROSSAL, N.A., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Selected scientific work]Izbrannye nauchnye trudy. Moskva, Voenizdat, 1962. 703 p. (MIRA 16:3)

(Military engineering)

EPOV, Boris Aleksandrovich; STARINOV, Il'ya Grigor'yevich;
BADANIN, B.V., red.; ROSSAL, N.A., polkovnik, red.;
SOKOLOVA, G.F., tekhn. red.

[Mines behind enemy lines] Miny v tylu vraga. Moskva,
Voenizdat, 1963. 103 p. (MIRA 16:4)
(Mines, Military)

L 41858-65 EWT(m)/EWA(h)
ACCESSION NR AM5004499

BOOK EXPLOITATION

S/

6
B+1

Gorchakov, Aleksandr Danilovich; Zhukov, Yuriy Afanas'yevich; Koshelev, Leonid
Ivanovich; Rossal, Nikolay Antonovich; Khomko, Arkadiy Antonovich

Simplified shelters for protection from mass-injury weapons (Prosteyskiye ukrytiya dlya zashchity ot oruzhiya massovogo porazheniya), Moscow, Stroyizdat, 1964, 097 p. illus. Errata slip inserted. 22,000 copies printed.

TOPIC TAGS: civil defense, nuclear explosion, nuclear decontamination, nuclear radiation, nuclear defense, fallout shelter

PURPOSE AND COVERAGE: This book describes the simplest shelters for people, food and water against a nuclear explosion. It makes recommendations on their construction, the adaptation of existing buildings, basements of homes and various local objects and also on the use of various materials, structures and articles for this purpose. The book is intended for a broad audience.

TABLE OF CONTENTS [abridged]:

Introduction -- 3

Ch. I. Damage factors of a nuclear explosion and their effect -- 6

Card 1/2

L 41858-65
ACCESSION NR AM5004499

Ch. II. Fallout shelters in rural regions -- 21
Ch. III. Design of fallout shelters -- 73
Ch. IIII. Rules of conduct in the event of nuclear attack -- 89

SUBMITTED: 29Jul64

SUB CODE: MS, PH

NO REF SOV: 000

OTHER: 000

Card

ee
2/2

ROSSAVSKAYA, M. Ya.

USSR (600)

Dysentery

Changes in the size of erythrocytes in various forms of dysentery. Vop .
pediat. i okhr. mat. i det. 20 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952 UNCLASSIFIED.

ROSSBAUM, J.

The Scientific and Technical Association of Irrigation and Land Reclamation
Engineers during the period of 10 years. p. 436.

GOSPODARKA WODNA, Vol. 15, No. 11 Nov. 1955

(Naczelna Organizacja Techniczna) Warszawa

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1

Jan. 1956

"Scientific-Technical Association of Hydraulic Engineers and Technicians and the fulfillment of tasks set forth by the 23 Congress of the Polish United Workers Party."
Gospodarka Wodna, Vol 11, No 6, June 1955, p. 231

SC: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

1. ROSSCHINSKIY, I.
2. USSR (600)
4. Coal Mines and Mining
7. Mighty demonstration of Soviet patriotism. Mast. ugl. 1, no. 9, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

ROSSE, E., inzh.

The VK7-6 voltmeter. Radio no.4:33-35 Ap '62. (MIRA 15:4)
(Voltmeter)

CIA-RDP86-00513R0014454

Handwritten: *✓* (top left) and *26* (top right)

Lithopones. I. A. ROSSEL and S. G. FRANKFURT. Russ 21,515, Oct. 31, 1931.

To a mixt of C and heavy spar sulfates of alkali metals are added before the reduction.
This is followed by the usual procedure for the manuf. of lithopones.

AS & SLA METALLURGICAL LITERATURE CLASSIFICATION

Handwritten: *26* (bottom right)

FRUCHTUM III, .: SCHAFER, A.; ROSSER, H.

A new series of heavy-duty oil-poor circuit breakers for middle voltages. Elektrotechnik 19 no.10:278-282 1964.

1. IFH, Berlin (for Frischmann). 2. ZEK D. VVB E.U.A. Dre der Branch (for Schafer). 3. VEB SGM, Bad Muskau (for Roszel).

ROSSI, S.I.

Vitamin B₂ in ophthalmology. Vest.oft. 30 no.1:26-33 Jan-Feb 51.
(CML 20:6)

1. Of the Eye Clinic (Director--Prof.N.A.Pletneva), Second Moscow Medical Institute imeni I.V.Stalin.

ACC NR: AP6025712

SOURCE CODE: UR/0187/66/000/005/0007/0017

AUTHOR: Pivovarov, S. P.; Rosselevich, I. A.

ORG: none

TITLE: Tv equipment on the artificial Earth satellites intended for observation of clouds

SOURCE: Tekhnika kino i televideniya, no. 5, 1966, 7-17

TOPIC TAGS: artificial satellite, meteorologic satellite, tv equipment

ABSTRACT: Based on nine 1960-64 American and three 1951-65 Soviet published sources, this review covers the following: The idea of cloud mapping from satellites (Tiros, etc.); satellite-borne and land-based tv equipment for meteorological purposes; technical characteristics of such equipment; elements of satellite-borne equipment (camera tubes, information-storage devices). Only general information intended for orientation of nonspecialist readers is presented. Orig. art. has: 11 figures, 7 formulas, and 1 table.

SUB CODE: 22,17,04 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 009

Card 1/1

UDC: 621.397:629.19

SOURCE CODE: UR/0187/66/000/010/0018/0023

ACC NR: AP7006022

AUTHOR: Bratslavets, P. F.; Rosselevich, I. A.; Khromov, L. I.

ORG: none

TITLE: Television camera for scientific research in space

SOURCE: Tekhnika kino i televedeniya, no. 10, 1966, 18-23

TOPIC TAGS: TV system, space communication, TV camera

ABSTRACT: The newest problem in television for space is the development of a single system which will incorporate the best features of the presently employed three distinct systems for conveying the images of "cosmic bodies" over great distances. The "single-element" system collects the light flux from an "elementary" area of the observed surface through mechanical scanning and converts it into current by means of a photomultiplier tube, after which it is handled as a video signal; the "phototelevision system," employs a photographic method with camera, film, developer, plus film reader; the "small frame system," employs frequency-band compression based on the elimination of the subjective redundancies of photographed images by means of a camera shutter; these have different advantages and disadvantages and are used for different desired results. Combining them into a single system for all TV trans-

UDC: 621.397: 629.19

Card 1/2

09270804

ACC NR: AP7006022

mission from space seems out of the question at the present time. The article gives the fundamentals of the three types of operation, block diagrams and a photograph of a phototelevision system. Orig. art. has: 4 figures and 2 formulas. [JPRS: 38,937]

SUB CODE: 17, 22 / SUBM DATE: none / ORIG REF: 009

Card 2/2

ROSSELS, A.

"De la question des paralleles anatomo-cliniques dan le cancer primaire du poumon."
Rossels, A., (p. 479)

SO: Journal of General Chemistry (Zhurnal Obshehei Khimii) 1940, Volume 18, no. 5.

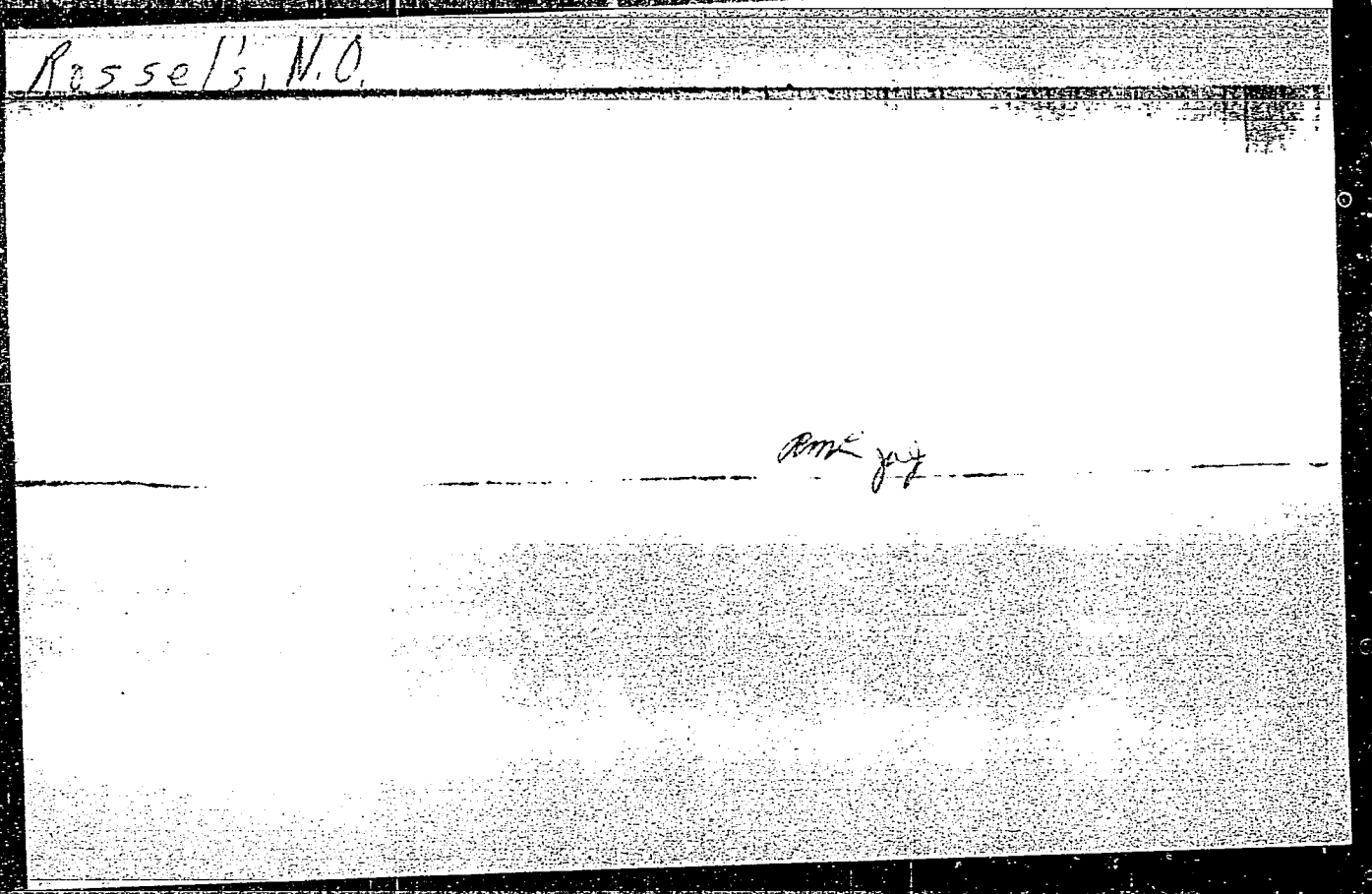
DUBINSKIY, S.A.; ROSSEL'S, N.O.

Control of erosion of refractories with the aid of radioactive
tracers. TSvet.met. 28 no.5:67 S-0 '55. (MIRA 10:10)
(Refractory materials) (Radioactive tracers)

DUBINSKIY, S.A.; ROSSEL'S, N.O.; LAKEDEMONSKIY, A.V.; ANOPOVA, A.I.;
KHAKIMDZHANOVA, M.K.

Effect of nickel on solders. TSvet.met.27 no.3:50-55 My-Je '54.
(MIRA 10:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut olovyannoy
promyshlennosti (for Dubinskiy, Rossel's). 2. Avtozavod im.Stalina
(for LakedemonSKIY, Anopova, Khakimdzhanova).
(Nickel) (Solder and soldering)



S/194/62/000/007/028/160
D295/D308

9.2530

AUTHORS: Rossenbauli, O.B., and Redin. R.N.

TITLE: Design of a differential transformer-coupled magnetic amplifier

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-2-13 k (Tr. Mosk. energ. in-ta no. 37, 1961, 123 - 138)

TEXT: A method is given for calculating optimum parameters of a differential transformer-coupled magnetic amplifier with toroidal cores. The following problems are discussed: the determination of design formulas allowing for the reaction of the load circuit, the derivation of an equation for the volume of the cores, and a graphic-analytical method for minimizing the volume with respect to two parameters. The accuracy of the design method is about 5 %. An example of the design of an amplifier and design graphs are shown. 7 figures, 1 reference. [Abstracter's note: Complete translation.] VB

Card 1/1

ROSSENBAULI, O.B., kand.tekhn.nauk; RODIN, R.N., inzh.; FROLOV, B.F.,
inzh.

Speed stabilization of asynchronous motors for automatic electric
drive circuits used in coal preparation and briquet plants. Obog.
i brik. ugl. no.10:46-49 '59. (MIRA 13:9)
(Electric motors, induction)
(Coal preparation plants--Electric equipment)

ROSSET, Edward

Demographic transformations in Poland and their consequences
for science and the national economy. Review Pol Academy
8 no.3:17-27 JI-S'63

ROSSET, Edward

Demographi changes in Poland and their consequences for
science and the national economy. Nauka polska 11 no.4:
19-34 J1-Ag '63.

1. Członek korespondent Polskiej Akademii Nauk, Warszawa.

CHODAK-GAJEWICZ, Maria; WALESZKOWSKI, Jerzy; ROSSET, Stefan O.

Complications following carotid arteriography according
to 1600 case reports. Pol. przegl. radiol. 29 no.5:
487-492 S-2 ' 65

1. z Pracowni Neuroradiologii Zakładu Radiologii AM w Łodzi ;
z Kliniki Neurochirurgii AM w Łodzi (Kierownik: prof. dr.
J. Szapiro) i z Kliniki Neurologicznej AM w Łodzi (Kierownik:
doc. dr. A. Prusinski).

FYRSHIROTU, Z. [Firsirotu, Z.], farmatsevt (Bukharest, Rumynskaya Narodnaya Respublika); KONIVER, L., doktor (Bukharest, Rumynskaya Narodnaya Respublika); VARKOVICH, Kh., doktor (Bukharest, Rumynskaya Narodnaya Respublika); ROSSETI, M., farmatsevt

Study of the sterilizing action of silver ions. Apt.delo 9
no.2:86-90 Mr-Ap '60. (MIRA 13:6)

1. Iz laboratorii kontrolya medikamentov Nauchno-issledovatel'skogo farmatsevticheskogo instituta.
(SILVER—PHYSIOLOGICAL EFFECT)

ROSSEYKIN, Boris Mikhaylovich; SEMIN, Georgiy Ivanovich; CHEBANYUK,
Zakhar Fedorovich; YARMYSH, Yu.F., red.; FISENKO, A.T.,
tekhn.red.

[Sevastopol; guidebook-manual] Sevastopol'; putevoditel'-
spravochnik. Simferopol', Krymizdat, 1959. 119 p. (MIRA 13:1)
(Sevastopol--Guidebooks)

ROSSEYKIN, Boris Mikhaylovich; SEMIN, Georgiy Ivanovich; CHEBANYUK, Zakhar
Fedorovich; YARMYSH, Yu.F., red.; FISENKO, A.T., tekhn. red.

[Sevastopol; guidebook-manual] Sevastopol'; putevoditel'-spravochnik.
Simferopol', Krymizdat, 1961. 128 p. (MIRA 14:8)
(Sevastopol—Guidebook)

CIA-RDP86-00513R0014454

S/169/63/000/002/081/127
D263/D307

AUTHORS: Mogarovskiy, V. V. and Rosseykin, L. V.

TITLE: Calculation of the reserves of admixture elements

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 13, abstract 2D79 (Razvedka i okhrana nedr., 1962, no. 7, 14-16)

TEXT: Results are given of experimental works on the calculation of the reserves of cadmium in ores of one of the blocks of a tungsten skarn deposit, by several methods (see table below).

Method of calculation	Reserves in the block, A tons	Reserves, as % of the figure calculated directly	Percentage deviations from directly calculated values
Direct - from average Cd contents in ores, determined directly			
Card 1/3			

S/169/63/000/002/081/127
D263/D307

Calculation of the ...

during analysis of groove samples	11.5	100	-
Correlational - from 55 groove samples	12.9	112.1	+12.1
- from average Cd contents determined from regression equation	12.8	111.3	+11.3
Method of monomineral samples - without considering the fer- ruginosity of spha- lerite	19.5	82.6	-17.4
- with consideration of the ferruginosity of sphalerite	10.3	89.7	-10.3

Card 2/3

Calculation of the ...

S/169/63/000/002/081/127
D263/D307

Neglecting the Cd reserves calculated without taking the ferruginosity of sphalerite into account, it may be seen that deviations between the above values lie within the limits of 10 - 12%. The currently proposed simple labor-free methods of calculating the admixture elements give, therefore, fully useful data. The methods should be used with confidence in geological exploration, although preliminary studies should be carried out to select the most suitable method in every individual case. [Abstracter's note: Complete translation.]

Card 3/3

MOGAROVSKIY, V.V.; ROSSEYKIN, L.V.

Calculation of reserves of accessory minerals. Razved. i okh.
nedr. 28 no.7:14-16 J1 '62. (MIRA 15:8)

1. Tadzhikskoye geologicheskoye upravleniye.
(Ore deposits)

MOGAROVSKIY, V.V.; ROSSEYKIN, I.V.

Geochemistry of rare and dispersed elements in the Maykhura tin and tungsten deposit (central Tajikistan). Geokhimiia no.6:526-534 '61. (MIRA 14:6)

1. Department of Geology and Mineral Protection at the Minister Council of the Tajik Soviet Socialist Republic, Stalinabad.
(Maykhura Valley--Ore deposits)
(Metals, Rare and minor)

S/007/61/000/006/001/001
B106/B217

AUTHORS: Mogarovskiy, V. V., Rosseykin, L. V.
TITLE: Geochemistry of the rare and trace elements of the Maykhur
tin-tungsten deposit (Central Tadzhikistan)

PERIODICAL: Geokhimiya, no. 6, 1961, 526 - 534

TEXT: The authors studied the occurrence of the rare and trace elements cadmium, indium, rare earths (yttrium), germanium, gallium, beryllium, niobium, and scandium in the Maykhur skarn deposit which lies at the southern slope of the Gissarskiy range in the region of the divide, at the upper course of the Maykhur river (a right tributary of the Varzob river). Metamorphized sediment layers from the Middle Paleozoic which contain interstratified layers of marble, crystalline schists, and hornstones of different composition, are directly bedded upon the deposit. The erupted rocks consist of granodiorites, tourmalinized granites, granodiorite-aplites and partly also of pegmatites. The deposit has the following mineral composition. Main components: garnet, pyroxene, quartz, calcite, widespread components: alkali feldspar, plagioclase, flagopite, chlorite, scapolite, pyrrhotite, sphalerite, pyrite, scheelite, chalcopyrite, Card 1/8

S/007/61/000/006/001/001
B106/B217

Geochemistry of the rare...

cassiterite; rare components: wollastonite, actinolite, tremolite, zoisite, tourmaline, marcasite, bismuthine, muscovite, magnetite, sericite; very rare components: zircon, prehnite, graphite, fahlerz, biotite, paragonite, sphene, apatite, fluorite, hematite, muschketovite, martite, elemental bismuth, molybdenite, stannite. Cadmium, indium, and niobium were chemically determined, yttrium by X-ray analysis in the chemical laboratory of the VNII-1 (All-Union Scientific Research Institute of Gold and Rare Metals). Cadmium, indium, and partly yttrium and niobium are the most interesting elements. Also here sphalerite is the main mineral which is enriched with cadmium. Its cadmium content varies from 0.59 to 1.85 %, 1.37 % on the average (Table 2). This cadmium content of sphalerite is one of the highest of all sphalerite deposits of the Soviet Union and the highest of all sphalerites described in the literature (Table 3), though the Maykhur sphalerite contains more than 7 % iron and therefore belongs to the marmatites. The data given for comparison in Table 3 are taken from a paper by S. T. Badalov and M. R. Yenikev (Ref. 1: S. T. Badalov, M. R. Yenikev, Geokhimiya, no. 4, 1959). Like cadmium indium is enriched only in sphalerite. No indium could be found in cassiterite and chalcopyrite which occur together with sphalerite. The indium content of sphalerite varies from 0.006 to 0.062 %, its average is 0.021 %. Sphalerite

Geochemistry of the rare...

S/007/61/000/006/001/001
B106/B217

from the skarns is very poor in cadmium and very rich in indium, whereas sphalerite from the quartz-sulfide deposits has the highest cadmium content and the lowest indium content. Yttrium of the Maykhur deposit is enriched in garnet and scheelite, it is, however, contained in only 22 % of the analyzed garnets and 43 % of the scheelites. The yttrium content of garnet amounts to 0.7 - 0.9 %, the yttrium content of scheelite to 0.014 %. In the garnets yttrium is accompanied by germanium, beryllium, gallium, seldom also by scandium. It is characteristic that white scheelite from the skarns does not contain yttrium. The honey-colored scheelite from the quartz-sulfide deposits has the highest yttrium content. Gallium is widely distributed in the Maykhur deposit and occurs in the minerals of the skarns as well as in the quartz-sulfide deposits (95 % of all studied garnets contained gallium). None of these rocks contains, however, more than some thousandths percent of gallium. Niobium is enriched only in cassiterite which contains 0.080 - 0.125 % (0.1 % on the average) Nb_2O_5 . In cassiterite, niobium is not accompanied by tantalum. Beryllium is widely distributed in the deposit, however, in very small quantities. Scheelite and garnet have the highest beryllium content (Table 7). In no mineral of the deposit scandium is enriched to a considerable extent. It

Card 3/8

Geochemistry of the rare...

S/007/61/000/006/001/001
B106/B217

is found relatively often in cassiterite, which contains 10^{-3} % scandium, 10^{-2} % at the maximum. Garnet has sometimes the same scandium content. N. A. Blokhina is mentioned. There are 2 figures, 8 tables, and 7 Soviet-bloc references.

ASSOCIATION: Upravleniye geologii i okhrany nedr pri Sovete Ministrov Tadzhikskoy SSR, Stalinabad (Administration of the Geology and Protection of Mineral Resources at the Council of Ministers of the Tadzhikskaya SSR, Stalinabad)

SUBMITTED: February 15, 1961

Card 4/8

ROSSI, B.

Interplanetary plazma. Geomag. i aer. 2 no.5:822-828 S-O '62.
(MIRA 15:10)

1. Massachusetskiy institut tekhnologii, SShA.
(Gases, Interstellar)

FCM, 2.

"Properties of penetrating particle radiation measured at sea level."
Tr. from the German. p. 89.

MAGYAR FIZIKAI FOLYOIFAT. (Magyar Tudományos Akademia). Budapest, Hungary,
Vol. 7, No. 1, 1959.

Monthly list of East European Accessions (FEAI), LC, Vol. 8, No. 8, August
1959.
Uncla.

ROSSI, B.; MARGULIS, U.Ya., redaktor; BELEN'KIY, S.Z., redaktor; TUMARKINA,
N.A., tekhnicheskiiy redaktor.

[High energy particles] Chastitsy bol'shikh energii. Perevod s
angliiskogo. Pod red. S.Z.Belen'kogo. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 626 p. [Microfilm] (MLRA 8:5)
(Particles, Elementary)

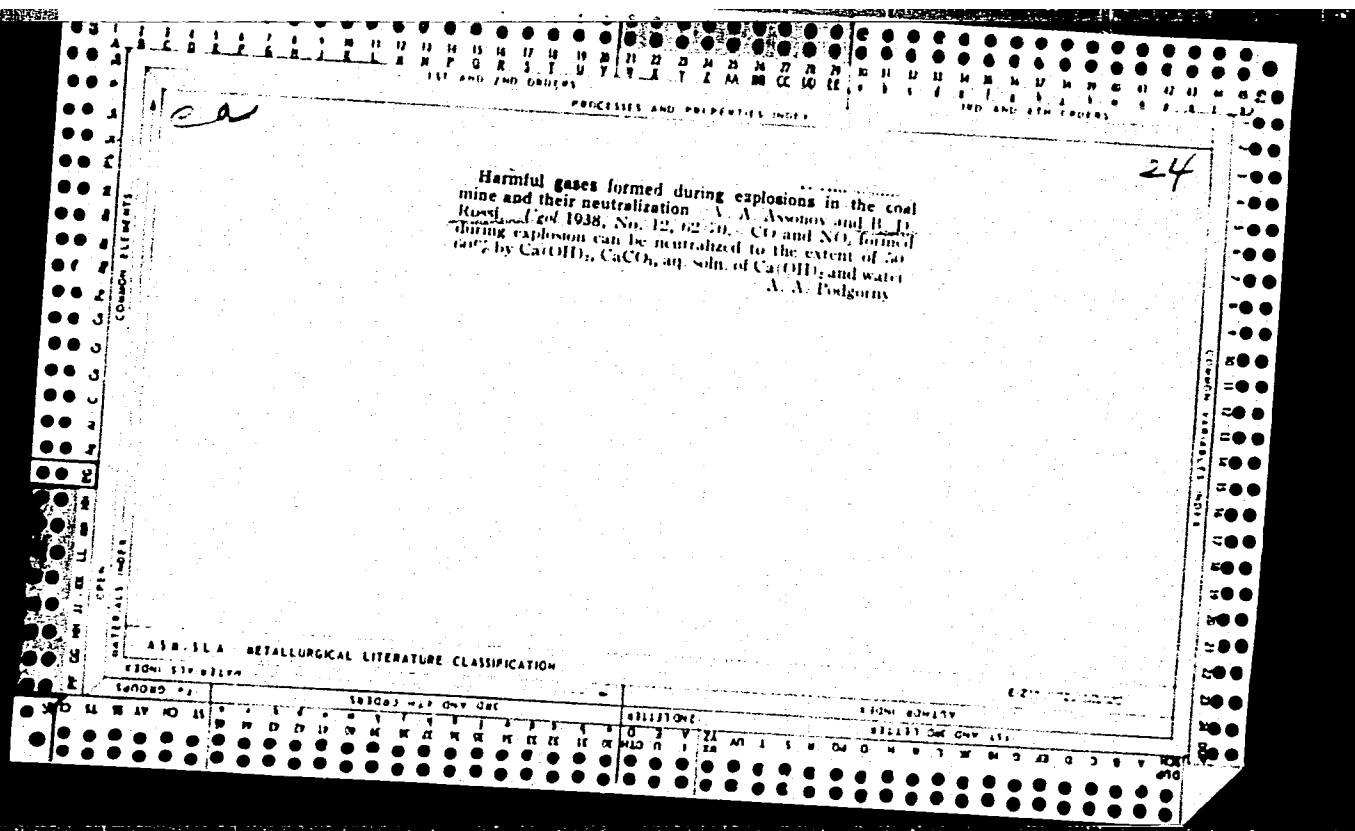
2696 Interpretation of Cosmic-Ray Phenomena. Bruno Rossi. Uspekhi Fiz. Nauk 38, 322-91(1949)(in Russian).

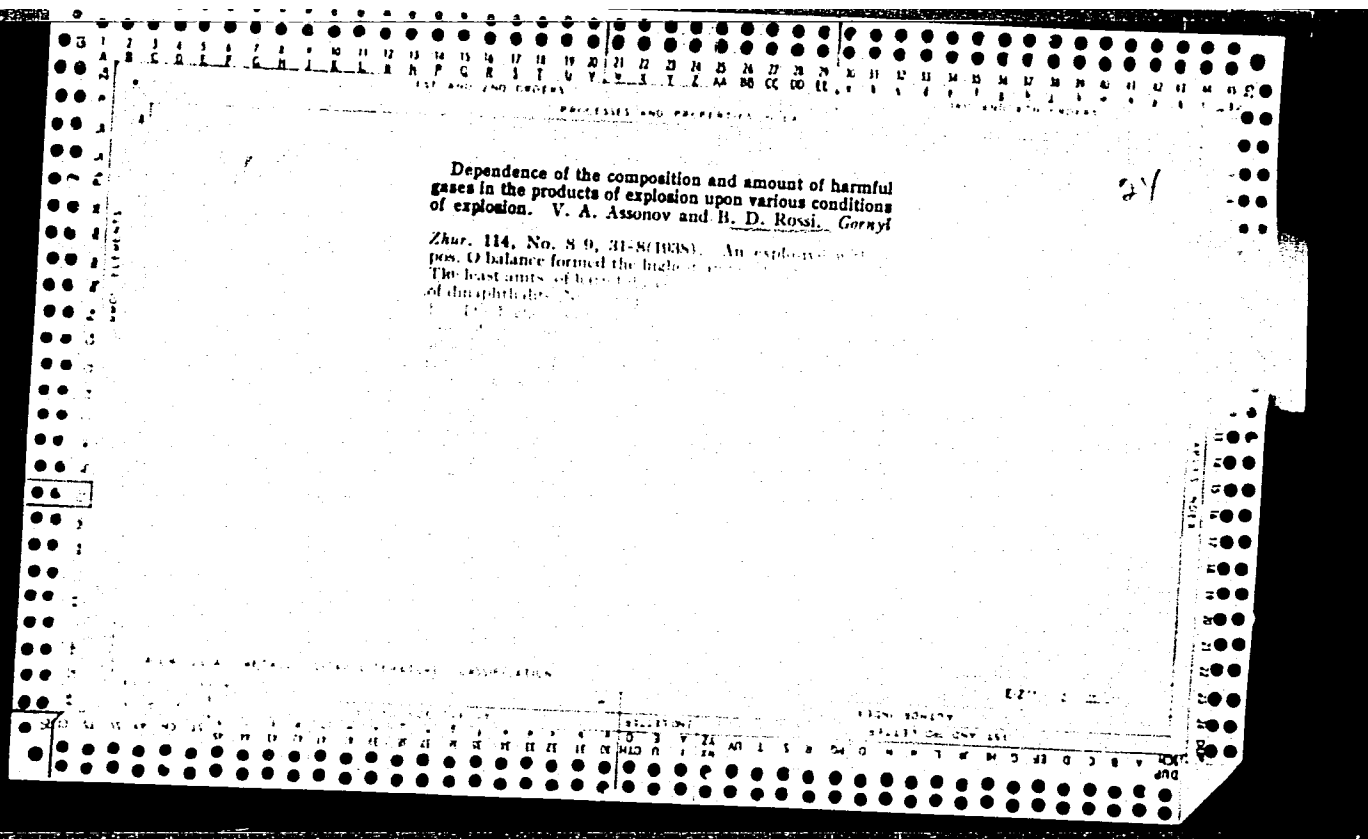
This is a translation of a work published in Revs. Modern Phys. 20, 537(1948). See Nuclear Science Abstracts 1-761.

Fuel Abstracts

Gasification - F.

3279. GASIFICATION OF BROWN COAL. Rossi, B. (Carbone, June 1951, (6) 10-13, abstr. in Chem. Zbl. 1952, vol. 123, 4246). Brown coals with 40% water, 28-40% volatiles, 16-30% coke carbon and 6-15% ash produce, in Siemens gas producer, an air gas composed of 12-17% CO, 5.5-7.5% H₂+hydrocarbons and 9-15% CO₂ in which there is only a slight amount of excess air. With best brown gasified in the Brock-Wilson gas producer or with air blast, the gas contains 20-27% CO 5-14% H₂+ hydrocarbons and only 5-11% CO₂. The water gas process is less suitable for these coals. The high water content of the coal must be reduced.





2A

24

Ammonium nitrate as an explosive for open mining
V. A. Assonov and B. D. Rossi. *Gornyi Zhur.* 1939, No. 1, 38-41.—From a comparison of the vols. of gases evolved per kg. of the explosive, heats of explosion, velocity of detonation and performance, it is concluded that NH_4NO_3 is inferior to other explosives only in its heat of explosion. The permissible moisture content of NH_4NO_3 is 0.5-0.15%, depending on the size of the charge. Methods for detonation, charging, drying and grinding are discussed. As a standard of performance it is proposed to take the expansion in a Trauzl block: for ammonite No. 2 it is 280 cc.; for dinamon K, 300 cc.; and for NH_4NO_3 , 225 cc. The replacement of ammonite No. 2 and dinamon K by NH_4NO_3 effects savings of 55.3% and 36.5%, resp. Reply. G. A. Abinder and K. Andreev. *Ibid.* 42-3.—Explosion of NH_4NO_3 without combustible matter causes a 35% loss of the work which could have been obtained in the presence of a combustible substance. If the relative content of energy in the most important explosives is taken then the following relations are obtained: gelatin dynamite 85, nitroglycol 103, trotil 67.5, ammonal T 97.4, NH_4NO_3 + 10% naphthalene 58 and NH_4NO_3 , 28.4. The claims of economy are incorrect. Ammonium nitrate as an independent explosive substance in open mining work. A. G. Horst. *Ibid.* 43-5.— NH_4NO_3 does not possess the required explosive properties; its use is not justified. Through *Khm. Referat. Zhur.* 1939, No. 11, 117-18. W. R. Henn

ASB 3LA METALLURGICAL LITERATURE CLASSIFICATION

USSR/Mining Methods

Nov 48

Blasting

"A New Book on Blasting" 1/2 p

"Ugol'" No 11 (272)

Favorable review of "Injurious Gases Formed by
Blasting in Underground Mining Workings" by V. A.
Asanov and B. D. Rossi. Published by Ugletek-
hizdat, Minvostokuglya, 1947.

14/49798

WINT, F. D.

25528 AGONOV, Y. I. I WINT, F. D.

Sovremennye deteniye i chie shury.
Ugol', 1948, No. 8, s. 33-34.

88: Leto is' Zhurnal Starey, No. 30, Moscow, 1948

PA 41/49T90

USSR/Mining
Explosives, Blasting
Gases, Poisonous

Apr 49

"Methods of Determining Poisonous Gases in Explosion Products," B. D. Rossi, Inst of Mining Affairs, Acad Sci USSR, 2 pp

"Gor Zhur" No 4

Composition and quantity of poisonous gases depend not only upon composition and physical state of explosive substances, but also to a substantial degree upon production conditions, and in particular upon characteristics of exploded rock. Tables

LC

41/49T90

USSR/Mining (Contd)

Apr 49

show amounts of carbon monoxide and nitrogen peroxide contained in various explosives for different explosion conditions.

LC

41/49T90

ROSSI, B. D.

Rossi, B.D.

✓ Assonov, Vasilii Andreevich, and Rossi, B. D.: Yado-
vitye gazy pri vzryvnykh rabotakh v podzemnykh gornykh
vyrabotkakh (Toxic Gases from Blasting in Underground
Mines). 2nd ed. Moscow: Ugletekhizdat. 1952. 107
pp.

KAMENKA, B.I., inzhener; ROSSI, B.D., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii, redaktor; KRASIL'SHCHIK, S.I., redaktor; TOKER, A.M., tekhnicheskii redaktor

[Reference booklet on safety measures for blasters in open pit mining and at construction sites] Pamiatka po tekhnike bezopasnosti dlia vzryvnika otkrytykh razrabotok i stroitel'nykh ploshchadok. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt. 1954. 41 p. (MLRA 8:4)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii. (Explosives--Safety measures)

FD-2635

Rossi, B.D.
USSR/Miscellaneous -- Poison Gas Standards

Card 1/1 : Pub. 41-21/21

Author : Assonov, V. A. and Rossi, B. D.

Title : Development of norms and method of determining poison gases occurring during explosions

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 4, 159-160, Apr 1955

Abstract : Describes method developed for determining presence of poison gas and suggests norms for classification of toxicity. Investigations were conducted in various type. mines (copper, iron ore, coal, spatite). States that existing standard (of 1933) is outdated. Suggested standard was submitted to Committee on Standards for their consideration.

Submitted : March 20, 1955

Twenty years of research by the boring and blasting section of the Scientific Technological Society for Mining, Gornostroy. 2
no.5:31 My '65. (MIRA 13:6)

1. Uchenyy sekretar' bur'vayevny sekretai Nauchno-tekhnicheskogo
gornogo obshchestva.

L 13265-65 EWT(m)/EPF(c)/T Pr-4 RPL WN/JWD S/2996/64/000/055/0132/0135
ACCESSION NR: AT4047805

AUTHOR: Rossi, B. D. (Candidate of technical sciences)

TITLE: Characteristics and constants of new industrial explosives B

SOURCE: Nauchno-tekhnicheskoye gornoye obshchestvo. Vzry*vnoye delo, no. 55/12, 1964. Podzemny*ye i otkry*ty*ye vzry*vn*ye raboty* (Underground and open blasting operations), 132-135

TOPIC TAGS: explosives, igdanite, granulite, zernogranulite ammotel alyumotel, detonite

ABSTRACT: The properties of industrial explosives recently introduced in the USSR are given, and their use in mining is briefly discussed. Igdanite (granulated) is an explosive containing ammonium nitrate and a liquid-fuel component. Granulites S and AS and zernogranulites 80/20 and 50/50 (all granulated) are similar to igdanites and are also based on ammonium nitrate. Ammotel TSA (cast) contains trotyl, NH_4NO_3 , and Al powder. Alyumotel is a granulated melt of trotyl with aluminum powder, mixed with granulated trotyl. Detonites 6A, 10A, and 15A-10 are semiplastic explosives containing ammonium nitrate, up to 10% nitroglycerin, and aluminum powder. The heats of explosion, densities, and other characteristics of the explosives are given. Orig. art. has: 1 table.

Cors 1/2

L 13265-65

ACCESSION NR: AT4047805

ASSOCIATION: IGD im. A. A. Skochinskogo

SUBMITTED: 00

ENCL: 00

SUB CODE: WA

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3128

Card 2/2

ROSSI, B.D., kand. tekhn. nauk; USACHEV, V.A., inzh.

determining the composition and the amount of poisonous gases
formed during the use of "igdanit" in blasting. Nauch. soob.

RGD 21:59-66 '63.

(MIRA 17:2)

DEMIDYUK, G.P., kand. tekhn. nauk; ROSSI, B.D., kand. tekhn. nauk;
ANDRIANOV, N.F., gornyy inzh.; USACHEV, V.A., inzh.

Effect of stemming on the amount of crushing of rocks by
blasting. Vzryv. delo no.53/10:96-105 '63. (MIRA 16:8)

(Blasting)

ROSSI, B.D., kand.tekhn.nauk

Conference on boring and blasting operations. Gor. zhur. no.11:
76-77 N '61. (MIRA 15:2)

1. Institut gornogo dela im. Skochinskogo, Moskva.
(Boring) (Blasting)

ASSONOV, V.A., kand.tekhn.nauk; ROSSI, B.D., kand.tekhn.nauk

Specifying poisonous gases in materials produced by blasting.
Bezop. truda v prom. 2 no.7:26-28 J1 '58. (MIRA 11:9)
(Glasting) (Gases, Asphyxiating and poisonous)

DEMIDYUK, G.P., kand.tekhn.nauk; MARCHENKO, L.N., kand.tekhn.nauk; ROSSI,
B.D., kand.tekhn.nauk

Study and development of simplest granular explosives. Vzryv.delo
no.44/1:11-40 '60. (MIRA 13:7)
(Explosives)

ASSONOV, V.A.; DOKUCHAYEV, M.M.; KUKUNOV, I.M.; NIKOLAYEV, N.A., retsenzent;
ROSSI, B.D., retsenzent; SINYAKIN, P.V., retsenzent [deceased];
DEMIDYUK, G.P., kand.tekhn.nauk, nauchnyy red.; GOMOZOVA, N.A.,
red.izd-va; STEPANOVA, E.S., tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[Boring and blasting operations] Burovzryvnye raboty. Moskva, Gos.
izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 406 p.
(MIRA 13:5)

(Boring)

(Blasting)

BURMISTROVICH, Ye.L.; VATOLIN, Ye.S.; DEMIDYUK, G.P.; MARCHENKO, L.N.;
ROSSI, B.D.; TATARNIKOV, A.A.; SHATAYEV, M.G.; ASSONOV, V.A.,
otv.red.; OKHRIMENKO, V.A., red.izd-va; KONDRAT'YEVA, M.A.,
tekhn.red.

[Handbook on blasting operations] Spravochnik po burovzryvnym
rabotam. Pod red. V.A.Assonova. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 450 p. (MIRA 13:3)
(Blasting) (Coal mines and mining)

KOSS I, B.D.

BELYAYEV, A.F.

AUTHOR: Solomonov, M. SOV/24-58-5-30/31
 TITLE: Scientific-Method Conference on the Problem of
 Breaking-up Rocks by Explosions (Pervoye nauchno-
 metodicheskoye soveshchaniye po probleme drobleniya
 gornykh porod vzryvom)
 PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
 Nauk, 1958, Nr 5, pp 143-144 (USSR)
 ABSTRACT: On February 24-26, 1958 a conference was held on breaking-
 up rocks by explosions at the Institute of Mining, Ac.Sc.,
 USSR (Institut Gornogo Dela AN SSSR). 100 people from
 32 towns participated and the participants included
 representatives of Works, Research Institutes of the
 Ac.Sc. from various parts of the Soviet Union,
 departmental research institutes and of higher teaching
 establishments.

In section relating to the question of breaking-up rocks by explosives and fragmentation
 of rocks -- following papers were presented:

"A new test for the examination of explosives in
 crushing operations" by L. I. Baron, B. D. Kosni,
 Institute of Mining, Ac.Sc. USSR;
 "An investigation of the brisancy according to Hess as
 a characteristic of the properties of explosives in
 breaking-up rocks" by S. P. Lavichik, Institute of
 Mining, Ac.Sc., USSR;
 "On the influence of the explosive characteristics
 of explosives on the quality of breaking down of highly
 fissured and flooded rocks" by V. I. Mosinets,
 Institute of Non-Ferrous Metals and Gold;
 "On the laboratory technique of determining the breaking-
 up of rocks" by L. I. Baron, R. V. Orlov, V.M. Kubatov,
 Institute of Mining, Ac.Sc. USSR.
 In the section relating to determining the dimensions of
 fragments the following papers were presented:
 "On the quantitative indices of the quality of
 breaking-up of rocks and the technique of their
 determination during work with explosives in railroad
 construction." by Ye. Ye. Brodov, Sverdlovsk;

Card 3/5

Rossi, B.D.

ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHNEV, V.K., kand. tekhn. nauk; VERESKUNOV, G.P., kand. tekhn. nauk; VOLKOV, A.F., inzh.; GEL'SKUL, M.N., kand. tekhn. nauk; GORODNICHIEV, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DOKUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; YEPIFANTSIEV, Yu.K., kand. tekhn. nauk.; YERASHKO, I.S., inzh.; ZHEKIDANOV, S.A., kand. tekhn. nauk; ZIL'BERBROD, A.F., inzh.; ZINGHENKO, E.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, E.V., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY, L.M., kand. tekhn. nauk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY, A.L., inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; NEYYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIRGELLO, O.B., inzh.; SUKHUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TARANOV, P.Ya., kand. tekhn. nauk; TOKAROVSKIY, D.I., inzh.; THUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof., doktor tekhn. nauk; FEDYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., inzh.; CHERNAVKIN, N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; SPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.; YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPIUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,

(Continued on next card)

ANDROS, I.P.---(continued) Card 2.

red.; SANOVICH, P.O., red.; VOLOVICH, M.Z., inzh., red.; GORITSKIY, A.V., inzh., red.; POLUTANOV, V.A., inzh., red.; FADEYEV, E.I., inzh., red.; CHECHKOV, L.V., red. inzh.; PROZOROVSKAYA, V.L., tekhn. red.; NADEINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Горное дело; энциклопедический справочник. Глав. ред. А.М. Терпигорев. Москва, Гос. научно-техническое изд-во лит-ры по угольной промышленности. Vol. 4 [Mining and timbering] Проведение и крепление горных выработок. Редакция: Н.М. Рокровский... 1958. 464 p. (MIRA 11:7)

(Mining timbering) (Mining engineering)